Bruhat Bangalore Mahanagara Palike

Executive Engineer Yelahanka Division

Name of Work:Repairs and Maintenance of Footpath in Attur Ward no-04 of Yelahanka Satellite TownSub Division

							Estimate Cost	30.00Lakhs
Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Removing and resetting Cobble Stone (Approved Rate)								
Approved Rate	**572.75**							
Area Weightage 10%	**57.28**							
Total Rate	**630.03**							
Attur Ward								
Cross Rd-1	1	430.00	1.20		516.00			
Cross Rd-2	1	350.00	1.50		525.00			
Cross Rd-3	1	227.00	1.20		272.40			
					1313.40			
Conside 40%					**525.36**			
Deduct/Missing Slab 30%					157.61			
					367.75	**Sqm**	**630.03**	**231692.95**
Removing and resetting of Kerb Stone (Approved Rate)								
Approved Rate	**118.00**							
Area Weightage 10%	**11.80**							
Total Rate	**129.80**							
Attur Ward								
Cross Rd-1	1	430.00			430.00			
Cross Rd-2	1	350.00			350.00			
Cross Rd-3	1	227.00			227.00			
					1007.00			
Conside 40%					**402.80**			
Deduct/Missing Slab 30%					120.84			
					281.96	**Sqm**	**129.80**	**36,598.41**
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)Issue Rate On 07-07-202								
Basic Rate	**5554.00**							
Area Weightage 10%	**555.40**							
Total Rate	**6109.40**							
Attur Ward								
Qty From Item No-1	1	525.36		0.15	78.80			
Qty From Item No-2	1	402.80	0.20	0.10	8.06			
					86.86	**Cum**	**6109.40**	**530662.48**
3	Providing and laying **heavy duty cobble stones 60mm thick** interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 30Mpa per IRC SP 63:2018 & 1558 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications.(V-II No-9.31,P.No-64 of PWD SR 2021-22)								

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic Rate	**1087.00**							
	Area Weightage 10%	**108.70**							
	Total Rate	**1195.70**							
	Attur Ward								
	Qty From Item No-1	1	157.61			157.608			
						157.61	**Sqm**	**1195.70**	**188451.89**
	Supplying and fixing M15 grade precast cement concrete **Kerb stones** for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) 600 x 300 x 150 mm Kerb Stone (V-III No-6.3,P No-146 of PWD BCSR 2021-22)								
	Data Rate	**507.00**							
	Attur Ward								
	Qty From Item No-2	1	120.84			120.84			
						120.84	**m**		
						269.00	**Nos**	**507.00**	**136383.00**
	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III, P.No.56, I.No.8.10 of PW, PWD SR 2021-22)								
	Basic Rate	**85.00**							
	Area Weightage 10%	**8.50**							
	Total Rate	**93.50**							
	Attur Ward								
	Cross Rd-1	1	430.00		0.35	150.50			
	Cross Rd-2	1	350.00		0.35	122.50			
	Cross Rd-3	1	227.00		0.35	79.45			
						352.45	**Sqm**	**93.50**	**32,954.08**
5	Providing and fixing precast reinforced cement concrete **covering slabs of 10Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Basic Data Rate	**2072.00**							
	Missing or Damaged Slabs								
		210	0.60	0.90		113.40			
		200	0.60	1.20		144.00			
						257.40	**Sqm**	**2072.00**	**533332.80**
6	Providing and fixing precast reinforced cement concrete covering slabs of 23Cm thick made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Basic Data Rate	**5037.00**							
	Missing or Damaged Slabs								
		110	0.60	1.20		79.20			
		100	0.60	1.50		90.00			
						169.20	**Sqm**	**5037.00**	**852260.40**

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
							Total Construction Cost	2542336.01
							18% GST for Construction Cost	457620.48
							Sub Total	2999956.49
							Utility Shifting,Miscellaneous and Rounding off	43.51
							GRAND TOTAL	3000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022, issue rates dated 07-07-2022 and Data Rates

Assistant Engineer
Ward No-04
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Satellite TownSub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Approval

Accorded For ...30.00 Lakhs
Head of A/C....P-3726...
CER NO :.....67..... Dt:..22/8/2022

TA CE (YNK)

Accorded For 30.00 Lakhs
Head of A/C....P-3726...
CER NO :.....80..... Dt:..22/8/2022